

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5747	347/54,48,56,61,63,65,68,20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:43
L2	62164	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:43
L3	319	310/307.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:44
L4	816	60/527.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:43
L5	1142	310/306.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:44
L6	32941	((thermo thermal) with (actuator element bend\$3 transducer)) same (metal\$3 aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:45
L7	53	3 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:45
L8	18	("3747120"   "3946398"   "4296421"   "5599695"   "5771882"   "5902648"   "6067797"   "6087638"   "6123419"   "6180427"   "6239821"   "6243113"   "6254793"   "6274056"   "6280019"   "6290336"   "6309052"   "6483419").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 12:53

L12	2	((heat\$3sink) adj (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:28
L13	3	((heatsink) adj (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:28
L14	51	((heatsink) with (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:32
L15	0	2 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:28
L16	3185	((conductor) with (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:30
L17	25	2 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:30
L18	101	((heatsink) same (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:50
L19	0	3 and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:33

L20	0	2 and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:33
L24	5	heatsinking with aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 14:22
L25	9	heatsinking same aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 14:22
S1	5740	347/54,48,56,61,63,65,68,20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:22
S2	32	(thermo with actuator) same ((metal\$3 aluminum) with (heat conduction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:25
S3	0	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:24
S4	62108	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:24
S5	2	S2 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:25

S6	204	((thermo with actuator) same ((metal\$3 aluminum) same (heat conduction)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:25
S7	204	((thermo with actuator) (thermoactutor)) same ((metal\$3 aluminum) same (heat conduction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:27
S8	94	S1 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:27
S9	20	((thermo with actuator) (thermoactutor)) with ((metal\$3 aluminum) same (heat conduction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:27
S10	0	S1 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:27
S11	7	("4812792"   "5459501"   "5666141"   "5719604"   "5726693"   "5812159"   "5883650").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:29
S12	5044	((bend\$3 elastic flexible mechanical) with (actuator eject\$3)) same (metal\$3 aluminum)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:23
S13	193	S1 and S12	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:37
S14	2	("3747120"   "4611219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:48
S15	4330	((arm beam) with (actuator transducer)) same (thermal heat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:49
S16	5284	((arm lever beam) with (actuator transducer)) same (thermal heat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:49
S17	22	((arm lever beam) with (actuator transducer)) same (thermal heat) with conduction	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:51

S18	217	((arm lever beam) with (actuator transducer)) same (thermal heat)) same conduction	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:56
S19	99	S4 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:51
S20	58	S1 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:51
S21	648	((bi multi) with (layer lever beam arm)) same cantilever	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:20
S22	22	S1 and S21	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:01
S23	19	S22 and (metal aluminum)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:02
S24	21	S22 and (metal aluminum conductivity conduction)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:02
S25	15	("3747120"   "3946398"   "4296421"   "5599695"   "5771882"   "5781331"   "5796152"   "5902648"   "6067797"   "6087638"   "6180427"   "6239821"   "6243113"   "6254793"   "6274056").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:04
S26	19	("3747120"   "3946398"   "4296421"   "4513299"   "4577201"   "5170177"   "5202659"   "5361084"   "5599695"   "5689291"   "5771882"   "5801732"   "5902648"   "6067797"   "6102512"   "6239821"   "6254793"   "6274056"   "6534609").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:19
S27	19	("3747120"   "3946398"   "4296421"   "5599695"   "5771882"   "5902648"   "6067797"   "6087638"   "6123419"   "6180427"   "6239821"   "6243113"   "6254793"   "6274056"   "6280019"   "6290336"   "6309052"   "6483419"   "6644798").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:23
S28	968	((bi multi) with (layer lever beam arm)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:11
S29	3	((bi multi) with (layer lever beam arm)) same cantilever same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:12

S30	74	(cantilever with (layer lever beam arm)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:14
S31	9	S4 and S30	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:12
S32	78	(cantilever with (layer lever beam arm actuator transducer)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 09:54
S33	99	(cantilever same (layer lever beam arm actuator transducer)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:22
S34	9	S4 and S33	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:14
S35	145	(cantilever same (layer lever beam arm actuator transducer)) same (thermal same (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:14
S36	9	S4 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:15
S37	4	("6067797" "6087638" "6239821" "6243119").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:20
S38	732	((bi multi) with (layer lever beam arm)) same cantilever	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:21
S39	27	S4 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:21
S40	103	(cantilever same (layer lever beam arm actuator transducer)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:22
S41	9	S4 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:22

S42	40200	((bend\$3 elastic flexible mechanical cantilever) with (arm lever beam actuator eject\$3)) same (metal\$3 aluminum)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:24
S43	44994	((bend\$3 elastic flexible mechanical cantilever) with (arm lever beam actuator eject\$3)) same (metal\$3 aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:24
S44	216	S1 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:24
S45	310	((bend\$3 elastic flexible mechanical cantilever) with (arm lever beam actuator eject\$3)) same ((metal\$3 aluminum) same conduction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:26
S46	4	S1 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:26
S47	7	S4 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:25
S48	1072	((bend\$3 elastic flexible mechanical cantilever) same (arm lever beam actuator eject\$3)) same ((metal\$3 aluminum) same conduction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:31
S49	4	S1 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:26
S50	15	S4 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:27

S51	4722	(arm lever beam actuator eject\$3) same (metal\$3 aluminum) same conduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:28
S52	15	S1 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:28
S53	149	cantilever same ((metal\$3 aluminum) same conduction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:31
S54	0	S4 and S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:31
S55	54387	((metal\$3 aluminum) same conduction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:32
S56	0	S1 and S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:32
S57	67	S1 and S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:32
S58	0	("2004/0113981").URPN.	USPAT	OR	ON	2005/07/06 14:47
S59	4	("5936646"   "6065823"   "6213589"   "6688719").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:48



S60	19	("3747120"   "3946398"   "4296421"   "4513299"   "4577201"   "5170177"   "5202659"   "5361084"   "5599695"   "5689291"   "5771882"   "5801732"   "5902648"   "6067797"   "6102512"   "6234609"   "6239821"   "6254793"   "6274056").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:51
S61	5747	347/54,48,56,61,63,65,68,20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:09
S62	62164	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:13
S63	10863	((heat energy) with (remov\$3 path pathway sink conduction conduit)) same (transducer actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:18
S64	202	S61 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:16
S65	465	((heat energy) with (remov\$3 path pathway sink conduction conduit)) same (transducer actuator) same aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:21
S66	24	S61 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:19
S67	11	("4480259"   "4496960"   "4723129"   "4922269"   "4994825"   "5095321"   "5208604"   "5274400"   "5278585"   "5389957"   "5581287").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 08:22
S68	32	("6007187").URPN.	USPAT	OR	ON	2005/07/07 08:23

S69	2	"5684519".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:05
S70	5	("4480259"   "4539575"   "4605167"   "4998120"   "5302976").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 09:06
S71	32195	cantilever with (layer lever beam arm actuator transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:57
S72	319	310/307.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:04
S73	32	S71 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:54
S74	18453	(cantilever same (layer lever beam arm actuator transducer)) and (aluminum metal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:57
S75	1441	310/306,307.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:57
S76	816	60/527.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:58
S77	31	S72 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:29

S78	18	S72 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:03
S79	1142	310/306.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:04
S80	21	S74 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:04
S81	0	S65 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:21
S82	18	S63 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:24
S83	1	(thermo\$3elastic with actuator) same (heat with conductor) and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:43
S84	18	(thermo\$3elastic same actuator) same (heat same conductor) and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:27
S85	125	((thermo thermal) same actuator) same (heat same conductor) and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:27

S86	2	S75 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:27
S87	2	"5475318".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:30
S88	4	("4749942"   "5069419"   "5201992"   "5268571").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 10:31
S89	30	("3833876"   "4679908"   "4688885"   "5024500"   "5206557"   "5290400"   "5351412"   "5401983"   "5418418"   "5489812"   "5506175"   "5536988"   "5602955"   "5685062"   "5719073"   "5781331"   "5846849"   "5847454"   "5912094"   "5914801"   "5959376"   "5960132"   "5962949"   "5963367"   "5994159"   "5995688"   "6014240"   "6067797"   "6070656"   "6275325").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 10:36
S90	5617	(heat with conductor) same aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:43
S91	35	(heat with conductor) same aluminum same actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:46
S92	83	(heat with sink) same aluminum same actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:46
S93	0	S75 and S92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:46

S94	3	S76 and S92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:46
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